Embiid notes C-AMERICA 1954
during freighter stops

20 Km W Guatemala City VIII-19-54

one embiid colony (sectured) was found in the crevice between a limb and trunk of a small tree growing in row between corn fields. Appeared to be the home of a single female. Egg mass and young present with ♀. Neoprogladochir salvini ?

Lago Amatitlan, Guatemala VIII-19-54

Neoprogladochir salvini ? common on bark of large trees along lake shore, also on many rocks and in split trunks of small forest trees

2 spec of Oligembia in bark crevices of large trees 1 ♀ cultured too rare to establish good culture. Trees on densely wooded slopes near lake.

San Jose, Guatemala VIII-20-54

Numerous colonies of Paraprogladochir on tree trunks and fence posts throughout agricultural area.

One small colony of Oligembia found in bark of fence post in shade. 1 pupal ♂ caught and cultured may have been damaged.

La Libertad, Salvador VIII-22-54 (Wet season)
Abundant colonies of Oligembia? on and under bark of fence posts, cut off small trees and branches.
Also possible Neotrigoniodes on top of splintered trunks, tunnels extending up vine and leaves
Very small Oligembia ♂ in colony in dead stumps (about 3" diam.).
Colonies of another Oligembia in mossy bark flakes of large trees along creek - seems to be different than any of above.
All above mixed in cultures.
Stream called Rio El Jute Collecting done in shaded slopes

Puntarenas, Costa Rica VIII-24-54
Numerous colonies of Oligotoma saundersii on almost every tree (esp. coconut) along streets

Barranca (about 15 Mi S. Puntarenas) Costa Rica
VIII-25-54
First stop: Large trees and fence posts bordering pasture land - Rainy season
Embiid colonies abundant in cut places in papery bark of small Elaphrium trees used as barb-wire fence posts. prob 3 spp. #1

Culture # 2 Contains Neo. Galvini only

Several colonies (possible Oligambia) present
on trunk matted with aerial rots 1 of culture.
Numerous colonies of Neorhagodocha
on large tree surfaces and Elaphomium
posts. cultured

Cultures obtained may be mixed and
may include saundersii #3

Stop 2: Wooded area in small creek bottom
heavy shade — very damp used as pasture
colonies observed few emboid

On slope above this plant tree
sparse in tall grass few scattered
colonies found in bank crevices of
small trees. 2 adult males & 2 sp.
collected on one tree also one colony of
Neorhagodocha. Culture obtained. # 4

Balboa C.Z. VIII-27-54 Rainy season
all collecting on trees near Central rntn.

1. On bark of mango-like tree rather small tunnels in moss and along Nasutitermes galeries - Paraphagodochis tricitatus mature ♀s and young

2. Under bark flakes of same tree at least two kinds of Oligembia 1 small penult. ♂

3. Oligembia sp. Burrowing in bark and under bark flakes of large shade tree below front of administration building very abundant, conspicuous colonies not contiguous. Adult males were present. ♀s jet black males with dark head and tan body. Same sp. also on other trees in central park area.

Plenty
Some O. saundersii esp. on trees in Gorgas Hospital area.

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Copied

Cali, Colombia VIII-29-54 Dry season
Open, grassy hillside with scattered mesquite
Embiids found in buttressed base of large
tree with thorny bark. Colonies separate; silk
obscured by debris. Cultured a few adult females,
penult ♂, caught 1 adult ♂ — appears to be
saundersii.

Numerous colonies found in occasional shade
tree in Cali residential district. Assumed to be
saundersii.

18 Km W Cali VIII-30-54 Moist hillside forest
on west side of crest of ridge approx 6000'
Embiids found in exposed colonies on and
in rotting bark of fence posts. Saussurembia n.
Schizembia 1 adult male, about 6 mature
females. cultured.

1 colony of adult ♀ found in brown clay
bank of road appears to be saundersii — cultured.

1954 Colombia during freighter stops
then by car to Tingo Maria

Loma Lachar (?) near Chancay Peru IX-12-54

Green spot about 1500' el with "cloud forest" type trees loaded with ferns, moss etc. Numerous plants, many in bloom, many fence posts, stones but no trace of embiids

8 Km N.E. Pucusana Peru (S. of Lima)
IX-13-54 about 1000' el.

Chelicerca loma

Dry, rocky hillside densely covered with parched cactus. Embiids occasionally found under stones.

Across road land less steep and sandy silt instead of rocky. Extensive colonies of "Subgenus" found under scattered lichen-covered rocks. Tunnels often run up into upper surface of rocks. Silk tends to be finely coated with sand and debris.

Mixture females and young present and two adult males eggs laid here and there on the walls of the tunnels.

One adult ♂ collected

One extensive colony of embiids interwoven in a large lichen (8" × 6" × 3" high) growing on ground. Ground blackish with fine lichen crust.

Area appears to be dampened each night by heavy wet fog.

Ocean about 2 miles off (in sight)

37 Km E. Carhuamayo, Junin, Peru IX-15-54
Black - Pararhagadochir discovered by Rleraso.
Canyon extending down toward Amazon.
Embido found at about 3300 M at lower edge of Tree altipleno. Rocky area along stream with bromeliads, low shrubs, Hypericum etc. Slightly moist.
Embido in colonies on rock white tunnels at stone edges, heavily infested with single & One large colony under big stone was heavily infested, most giving at time of visit. At least 25 dead & dying out of four in this. Males seemed to be most in open ends of tunnel One male caught in mid flight.
Day atmosphere likely to bring
Few only nine young ones.

One female opened and beautiful distinct eggs. Small, reddish, with cuticle with white.

No trace of embiids found in Huancayo.
a very dry station.

Campsite Nitro West side IX-17-54

1st Lot 30 Mi N.E. Nitro Zone of first dead shrubs, ferns etc. Slightly m. op. abundant in old adobe walls of abandoned house located in dense thicket. Runners visible on surface and extending into cracks. 7 adult snails present, 2 females and 1 possible juvenile.

2nd Lot 40 Mi N.E Nitro
Higher grass with closed jungle. One ♂ + ♀ found in dead rapidly decaying Oligomeris. Large Oligomeris with yellow anthers and ferns. Many cultivated dead.

3rd Lot Short distance above Bryonembia
Large adherent dead twigs of tree fern. Silk over this tunnels Locale situated in "cords" of the trunks. Possible that very important in such a deeply grooved habitat. Egg laid in depth on woody surface. Empty opercula and adult females.

4th Lot East side of crest in bush dead forest. Tree or roadside with cordy trunk. 1 plant of large age. Paranhegadochir Small black and yellow patterned ♀ of small Oligomeris (?) found in bark crevice.

28 (Change "23" label in vial) Mi E. of Tingo Maria
West side of crest of Cord. Agust IX-27-57
Large tree in roadside slash, clear on
all sides. Entrid tunnels in cracks and
under bark flakes (unoccupied). Rotten down
in moss active colonies located.
2 adult ♂♂ of black Paranhogadochin
similar to "blancoi" but smaller.
weak culture started

Above and below this locality on ridge
trees ~~Eulaema cheesmani~~ sparingly found.
Archembia peruviana

Recently thinned primary forest planted in
coffee about 5 mi W of east entrance to
Boqueron Pass
Bombus
Cladocoda longicauda present in usual manner but
sparingly
Village
~~Eulaema cheesmani~~ at base of stumps and
trees. Archembia longicauda
Bluish-black female (Paranhogadochin?) found
in one colony on small snag
Small Oligembia? with reddish prothorax
found in moss and bark cracks at
small stump

X